



# Crop Weather Report

**Issue: 07-17**  
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Monthly: Nov-Mar

Montana Field Office · 10 W 15<sup>th</sup> St, Suite 3100 · Helena, MT 59626  
(406) 441-1240· (406) 441-1250 FAX · [www.nass.usda.gov/mt](http://www.nass.usda.gov/mt)

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For the Week Ending:  
July 1, 2007

## Weather Summary

Most of Montana experienced below normal precipitation for the week ending July 1. Only eight weather stations recorded above normal precipitation, and Rudyard received the most moisture at 1.78 inches. Roundup and Hardin shared the high temperature of 102 degrees, and Wisdom had the low temperature of 22 degrees. Topsoil moisture adequate and surplus is 69 percent, below last week's 79 percent but above last year's 49 percent and the five-year average of 63 percent. Subsoil moisture adequate and surplus is 71 percent, down from last week's 76 percent but above last year and the five-year average of 47 and 46 percent, respectively. The number of days suitable for fieldwork was 6.5 days, up from last week's 6.1 days.

The weather outlook for July 9<sup>th</sup> through July 15<sup>th</sup> is for below normal temperatures and near normal precipitation east of the continental divide and for near normal temperatures and below normal precipitation west of the divide. Normal temperatures for this period in the state are highs in the mid 70s to the mid 80s and lows ranging from 40 degrees to the upper 50s.

Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	4	4	13	10
Short	27	17	38	27
Adequate	58	65	45	60
Surplus	11	14	4	3
<b>Subsoil Moisture</b>				
Very Short	4	4	15	19
Short	25	20	38	35
Adequate	63	65	45	45
Surplus	8	11	2	1
<b>Days Suitable for Fieldwork</b>				
Days	6.5	6.1	6.7	6.1

## Field Crops Report

All wheat conditions have declined from the previous week. Some fields hit by recent hail storms in Choteau, Fergus, Valley, and Judith Basin counties are a loss. Hot weather and limited precipitation is affecting the conditions of winter wheat. Spring wheat, oats, and durum wheat are progressing a bit slower than last year, but a greater percentage is headed when compared to the five-year average. Barley boot stage and headed are ahead of last year and the five-year average ratings.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Boot Stage</b>				
Barley	94	74	87	68
Oats	83	65	88	70
Spring Wheat	85	57	87	65
Durum Wheat	58	39	87	46
<b>Headed</b>				
Winter Wheat	99	91	96	90
Barley	64	29	51	33
Spring Wheat	35	17	51	30
Oats	41	19	55	32
Durum Wheat	19	9	21	15
<b>Turning</b>				
Winter Wheat	36	5	47	23
<b>Blooming</b>				
Dry Peas	83	82	72	n/a
Lentils	62	46	65	n/a
<b>Hay First Cutting</b>				
Alfalfa	57	25	65	44
All Other	55	20	50	31

## Livestock Report

Range and pasture feed conditions are rated better than last week, last year, and the five-year average. Seventy-two percent is rated good to excellent.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Moved to Summer Ranges</b>				
Sheep & Lambs	96	94	100	97
<b>Range and Pasture Feed Condition</b>				
Very Poor	2	3	5	8
Poor	5	5	13	15
Fair	21	22	35	32
Good	46	45	40	37
Excellent	26	25	7	8

## Weather Information for the Week ending 07/01/2007

Station ID						Precipitation							
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
NORTHWEST													
Alberton	97	34	64	97	+2	0.10	-0.22	3.96	-0.60	87	14.57	+4.30	142
Anaconda	94	30	63	94	+33	0.00	-0.42	7.20	+1.17	119	13.32	+3.00	129
Clinton	95	35	65	105	+10	0.07	-0.25	6.45	+1.89	141	15.17	+4.90	148
Corvallis	94	34	66	112	+20	0.03	-0.27	3.58	-0.73	83	6.42	-3.62	64
Creston	93	34	61	79	-1	0.12	-0.43	5.22	-1.49	78	9.87	-5.09	66
Deer Lodge	94	28	62	89	+29	0.00	-0.35	5.89	+1.51	134	9.15	+1.90	126
Drummond	96	29	62	83	-3	0.00	-0.37	5.94	+1.08	122	9.68	-0.04	100
Hamilton	94	37	67	122	+30	0.00	-0.30	4.04	-0.27	94	8.02	-2.02	80
Kalispell	92	31	60	78	+3	0.18	-0.24	4.42	-0.81	85	10.32	-2.46	81
Missoula	98	35	66	118	+23	0.07	-0.25	3.86	-0.70	85	9.36	-0.91	91
Olney	89	28	57	56	-15	0.02	-0.53	3.23	-3.16	51	14.93	-3.81	80
Polson	90	36	63	91	-8	0.20	-0.25	6.68	+0.77	113	11.53	-0.99	92
St Ignatius	93	39	64	96	-2	0.41	-0.06	5.98	-0.42	93	11.33	-1.31	90
Seeley Lake	93	29	62	87	+19	0.09	-0.31	4.33	-1.12	79	14.87	-2.87	84
Sula	92	27	61	80	+20	0.00	-0.41	7.44	+1.44	124	12.82	+0.53	104
Superior	95	32	65	108	+6	0.28	-0.04	4.69	+0.03	101	14.50	+1.27	110
Swan Lake	92	28	58	62	-6	0.35	-0.17	7.52	+0.58	108	23.27	+0.27	101
Thompson Falls	87	35	61	82	-26	0.23	-0.14	5.58	-0.02	100	23.11	+3.70	119
West Glacier	90	34	62	89	+12	0.45	-0.20	6.74	-0.85	89	23.59	+0.16	101
NORTH CENTRAL													
Chester	88	43	65	107	+5	0.27	-0.18	4.17	-0.60	87	7.91	+0.73	110
Chinook	93	46	65	105	-14	0.41	-0.01	7.18	+1.85	135	10.97	+2.90	136
Choteau	90	38	65	104	+3	0.21	-0.20	3.86	-1.16	77	5.57	-1.42	80
Cut Bank	87	42	63	89	+8	0.05	-0.40	0.88	-4.63	16	1.36	-6.48	17
Ft Assinniboine	93	39	65	106	-15	0.35	-0.03	6.19	+1.25	125	9.70	+1.74	122
Fort Benton	90	40	67	120	+4	0.68	+0.21	6.83	+0.54	109	11.16	+0.75	107
Goldbutte	84	33	61	82	-5	0.39	-0.11	6.07	+0.20	103	10.19	+1.57	118
Harlem	92	43	65	109	-7	0.49	+0.00	7.33	+2.56	154	10.34	+2.96	140
Havre	93	45	66	110	-8	0.71	+0.34	6.36	+1.95	144	9.75	+2.35	132
Malta	91	47	67	124	+14	0.09	-0.47	7.89	+2.28	141	10.67	+2.43	129
Rudyard	89	38	63	93	-30	1.78	+1.33	7.84	+1.67	127	11.15	+1.60	117
Shelby	86	44	65	104	+12	0.17	-0.30	3.66	-1.95	65	7.06	-0.92	88
Turner	91	45	66	110	+0	0.33	-0.23	6.22	+0.61	111	8.05	-0.19	98
Valier	87	42	63	93	+1	0.13	-0.34	3.69	-1.92	66	5.63	-2.35	71
NORTHEAST													
Bredette	83	40	62	88	-31	0.11	-0.43	9.26	+3.89	172	12.29	+4.63	160
Culbertson	89	41	68	125	+4	1.16	+0.56	7.64	+1.28	120	10.95	+1.86	120
Glasgow	94	47	68	131	+5	0.07	-0.42	10.39	+5.75	224	12.50	+5.54	180
Glendive	100	49	74	170	+23	0.00	-0.60	6.70	+0.42	107	10.01	+0.75	108
Jordan	97	43	69	136	+0	0.48	-0.03	10.03	+4.16	171	12.34	+3.48	139
Nashua	91	46	70	141	+15	0.60	+0.11	11.68	+7.04	252	14.20	+7.24	204
Opheim	87	37	63	93	-7	0.74	+0.18	8.35	+3.21	162	10.34	+3.17	144
Plentywood	84	45	67	119	+4	0.17	-0.32	9.47	+4.12	177	11.81	+4.11	153
St Marie	91	45	68	129	+3	0.07	-0.42	8.02	+3.38	173	9.54	+2.58	137
Scobey	86	42	66	112	-7	0.38	-0.16	9.36	+3.99	174	11.68	+4.02	152
Sidney	88	44	69	131	+1	0.44	-0.14	8.71	+2.71	145	11.34	+2.20	124
Wolf Point	92	45	68	126	-3	1.04	+0.44	9.01	+2.26	133	10.66	+0.48	105
CENTRAL													
Cascade	89	28	62	89	+20	0.00	-0.49	7.70	+0.97	114	11.75	+1.27	112
Grass Range	93	40	67	118	+9	0.18	-0.37	11.32	+3.46	144	17.25	+5.21	143
Great Falls	91	40	65	110	+4	0.21	-0.23	5.68	-0.70	89	10.27	-0.98	91
Harlowton	93	35	65	108	+10	0.15	-0.37	7.97	+1.75	128	12.66	+3.05	132
Helena	99	42	70	144	+33	0.04	-0.31	5.51	+0.84	118	8.62	+0.51	106
Lewistown	90	34	63	96	+11	0.09	-0.49	9.04	+1.37	118	14.31	+1.27	110
Martinsdale	95	30	65	105	+31	0.00	-0.44	4.21	-1.38	75	7.88	-1.04	88
Neihart	92	31	62	89	+25	0.08	-0.52	11.07	+2.44	128	20.47	+5.35	135
Rogers Pass	94	38	63	94	-1	0.04	-0.41	8.09	+2.21	138	12.74	+3.57	139
Roundup	102	41	70	142	+12	0.06	-0.35	9.72	+4.05	171	14.17	+5.47	163
Ryegate	95	34	66	112	+25	0.14	-0.34	7.59	+2.05	137	11.91	+3.23	137
Stanford	90	36	64	102	+16	0.55	-0.04	8.47	+0.88	112	13.17	+1.35	111
Townsend	95	33	69	135	+33	0.00	-0.41	4.62	+0.05	101	7.59	+0.16	102
Valentine	93	45	67	122	+7	0.10	-0.36	8.89	+2.26	134	13.33	+3.34	133
Wht Sulphur Spr	95	31	66	117	+62	0.03	-0.50	4.42	-1.77	71	7.31	-4.48	62
SOUTHWEST													
Boulder	94	35	67	120	+35	0.00	-0.41	4.94	+0.23	105	8.14	+0.32	104
Bozeman	94	33	67	124	+28	0.00	-0.52	11.01	+3.03	138	21.49	+7.02	149
Butte	94	30	63	96	+28	0.00	-0.43	6.07	+1.08	122	10.02	+1.69	120
Dillon	95	34	65	105	+17	0.00	-0.38	5.19	+0.49	110	8.64	+1.64	123
Ennis	93	29	61	81	-4	0.00	-0.47	6.82	+1.10	119	12.27	+3.02	133
Lakeview	91	33	64	98	+55	0.00	-0.62	2.88	-4.15	41	9.74	-5.39	64
W Yellowstone	91	26	60	72	+24	0.00	-0.52	3.27	-2.73	55	10.21	-6.98	59
Wisdom	92	22	62	91	+46	0.00	-0.35	5.47	+1.27	130	11.31	+3.32	142
SOUTH CENTRAL													
Billings	99	47	72	158	+26	0.00	-0.35	7.54	+1.19	119	13.38	+1.56	113
Cooke City	92	34	66	110	+84	0.00	-0.58	4.59	-2.70	63	10.48	-8.63	55
Gardiner	95	42	70	144	+37	0.00	-0.33	2.03	-1.76	54	5.85	-1.39	81
Hardin	102	42	74	171	+44	0.00	-0.39	7.97	+1.28	119	13.35	+1.16	110
Huntley	100	36	69	136	+19	0.00	-0.39	8.95	+2.65	142	13.74	+3.26	131
Hysham	97	45	73	161	+25	0.00	-0.39	8.64	+2.65	144	13.83	+4.20	144
Joliet	100	35	67	123	+8	0.00	-0.33	7.48	+0.20	103	13.35	+0.81	106
Livingston	98	33	66	111	+9	0.00	-0.45	7.43	+0.58	108	13.50	+2.22	120
Nye	94	35	66	114	+12	0.00	-0.45	8.12	+1.27	119	13.34	+2.06	118
Rapelje	97	37	68	126	+16	0.00	-0.44	8.94	+2.37	136	13.32	+1.89	117
SOUTHEAST													
Albion	99	43	72	155	+33	0.00	-0.52	7.56	+1.06	116	11.93	+2.19	122
Baker	95	44	70	140	+8	0.01	-0.55	9.07	+2.75	144	12.68	+2.86	129
Broadus	96	44	74	172	+43	0.00	-0.47	9.42	+3.12	150	13.77	+3.52	134
Ekalaka	95	42	70	143	+18	0.00	-0.70	10.21	+2.09	126	15.71	+3.57	129
Miles City	101	48	74	169	+22	0.01	-0.55	8.15	+1.68	126	10.95	+0.78	108
Plevna	95	40	70	139	+7	0.10	-0.46	8.13	+1.81	129	12.48	+2.66	127
Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1961-1990. GDD-Growing degree days													